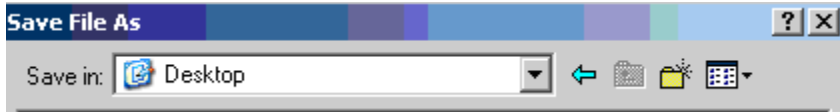


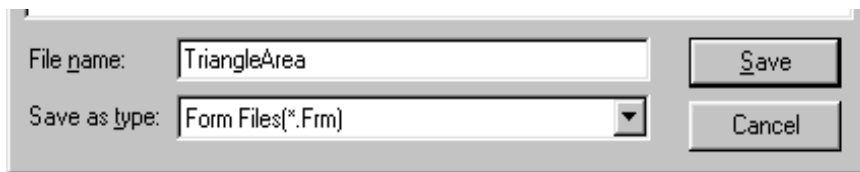
## Form for TriangleArea.frm TriangleArea.vbp



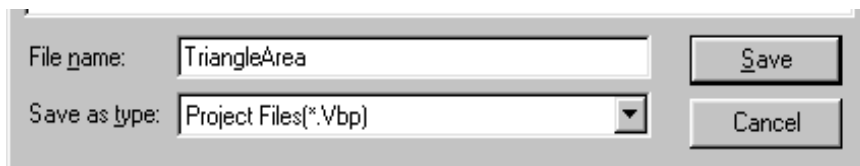
1. Double click on the Visual BASIC icon. If you were already in Visual BASIC, save your work then choose File, New Project.
2. File, Save File As... Save in: Desktop



Change the File name: to TriangleArea then click on the Save button.



3. This step is not necessary.  
File, Save Project As... Make sure it is set to go to Desktop  
Change the File name: to TriangleArea then click on the Save button.



Looking at the very top left of your monitor, TriangleArea appears within the blue.

4. Change the Caption property of the form from Form1 to **TriangleArea by Your Name**.



5. The window on the left is called the **Toolbox**. The Toolbox contains tools that will allow you to make *objects* on the form. Pictured here are the ones we will use the most.



**Pointer**



**Label**




**CommandButton**



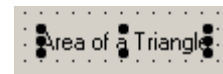
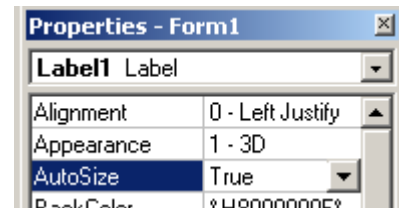
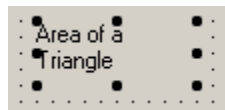
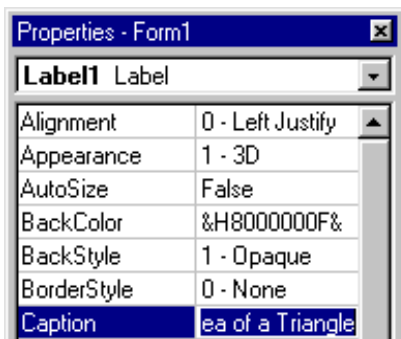
**Textbox**

## Form for TriangleArea.frm TriangleArea.vbp

6. Double click on the Label tool  to put a label on the form.





7. While the label is selected, put the cursor to the right of the Caption property in the Properties window. Double click on Label1 and type Area of a Triangle.

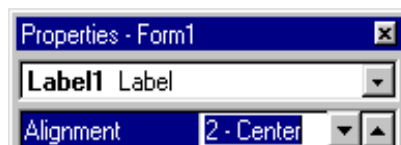


Since the words do not fit well in the label, go to the AutoSize property and double click so that the AutoSize property changes to True.


8. In the Properties window find the Font property. Click on the words on the right so that 3 dots show up. Click on the 3 dots to get the Font window, or simply double click on the word Font. Change the font and size.




9. In the Properties window go to Alignment. Click on the right so that  appears. Click on  and choose 2 - Center.



10. Use the mouse and cursor to move your label with the title Area of a Triangle to the top center of your form.

11. In the Toolbox on the left double click on the Label tool . Double click on the AutoSize property to make it turn to True.

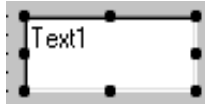
12. In the top toolbar click on the Save icon. 

## Form for TriangleArea.frm TriangleArea.vbp

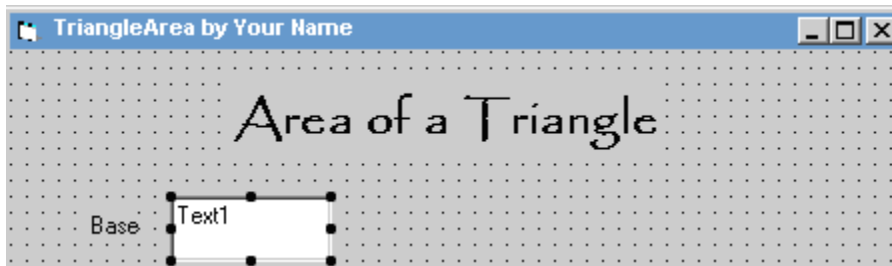
13. While the label is selected  go to the Properties window to change the Caption property. Double click on Label2 and type Base.



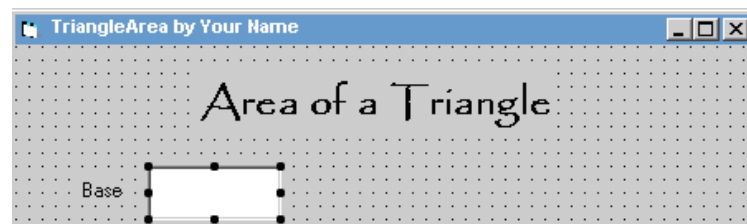
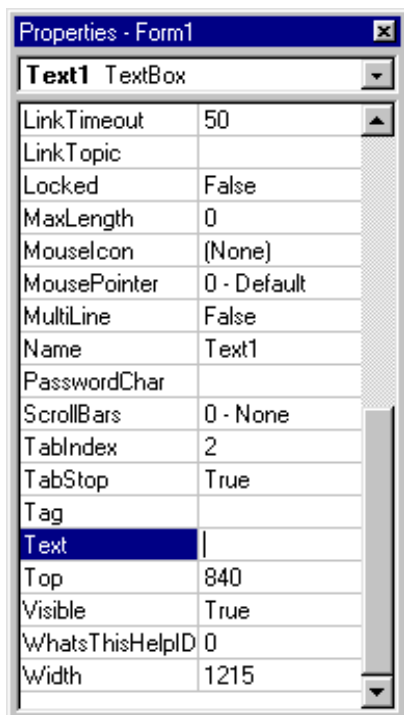
14. In the Toolbox on the left, **double click** on the Textbox tool  to make a textbox of the default size.



15. Drag the Text1 textbox to place it to the right of the label Base. So the form looks like this.

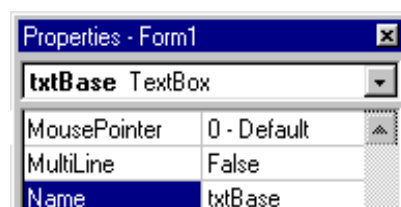


16. While Text1 is still selected go to the Properties window on the right. Scroll down to the Text property. Double click on Text1 on the right and press the Delete key, so that the textbox is now empty.




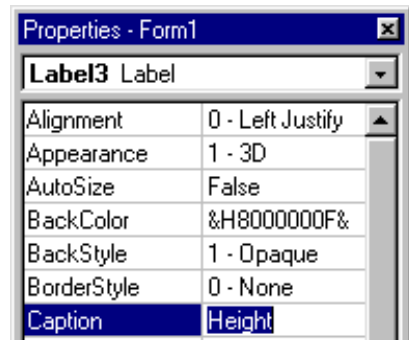
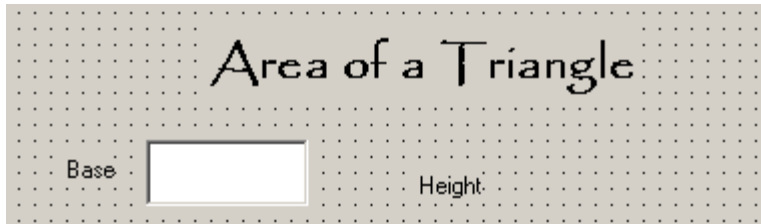
17. Make sure that the textbox is selected. In the Properties window on the right. Find the Name property.


Change the name from Text1 to **txtBase**.

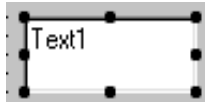


## Form for TriangleArea.frm TriangleArea.vbp

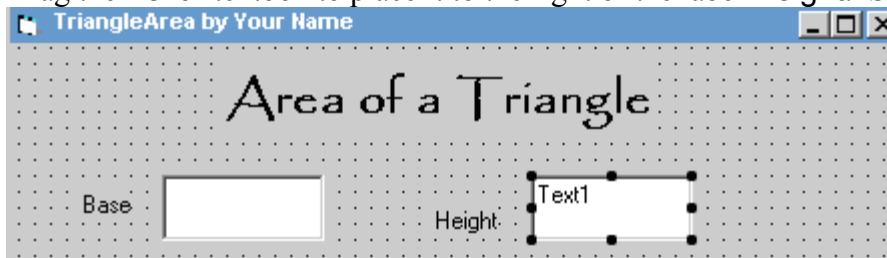
18. In the Toolbox on the left double click on the Label tool  Change the AutoSize property to True.



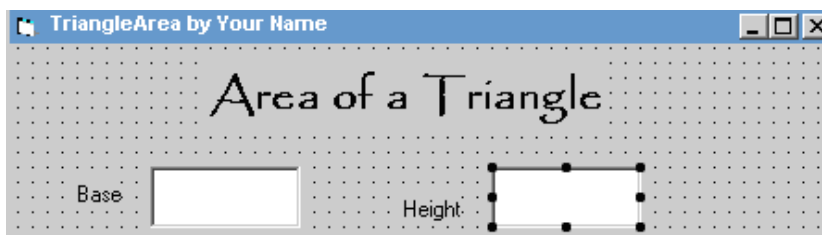
19. While Label3 is still selected, go to the Properties window on the right. Double click on Label3 to the right of Caption, to change the caption to Height.
20. In the Toolbox on the left, **double click** on the Textbox tool  to make a textbox of the default size.



21. Drag the Text1 textbox to place it to the right of the label Height. So the form looks like this.




22. While Text1 is still selected go to the Properties window on the right. Scroll down to the Text property. Double click on Text1 on the right and press the Delete key, so that the textbox is now empty.
23. Make sure that the textbox is selected. In the Properties window on the right. Find the Name property. Change the name from Text1 to **txtHeight**.

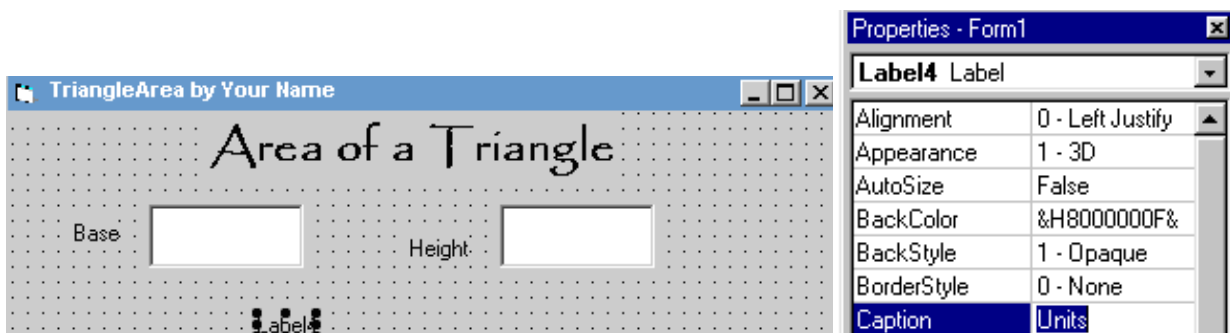


## Form for TriangleArea.frm TriangleArea.vbp

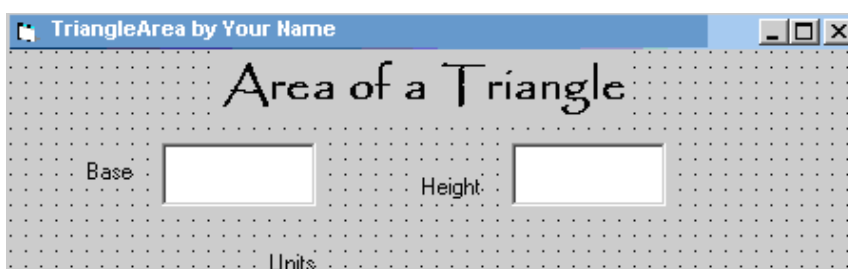
24. Click on the Save icon.



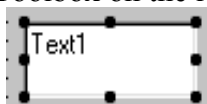
25. In the Toolbox on the left, double click on the Label tool . Change its AutoSize property to True. Place it below what is already on the form.



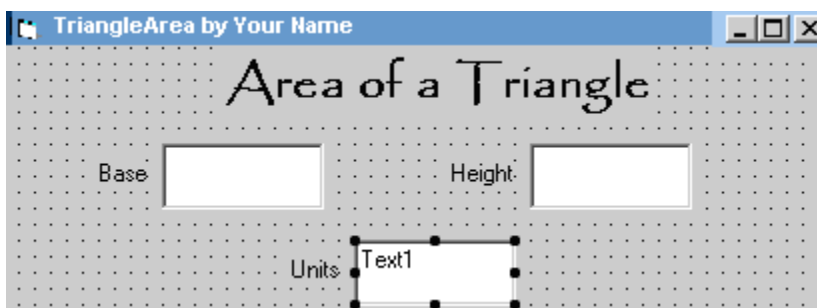
26. While Label4 is still selected, go to the Properties window on the right. To the right of Caption, double click on Label4 and type Units, to change the caption to Units.



27. In the Toolbox on the left, **double click** on the Textbox tool  to make a default size textbox.



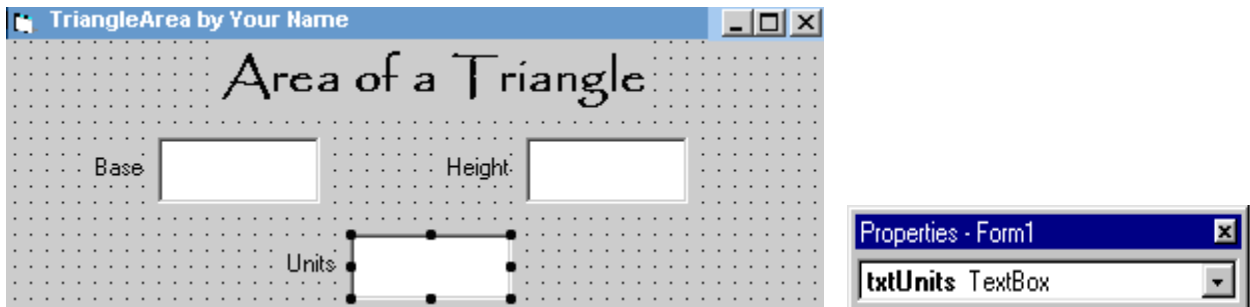
28. Drag the Text1 textbox to place it to the right of the Units label. So the form looks like this.





29. While Text1 is still selected go to the Properties window on the right. Scroll down to the Text property. Double click on Text1 on the right and press the Delete key, so that the textbox is now empty.

## Form for TriangleArea.frm TriangleArea.vbp

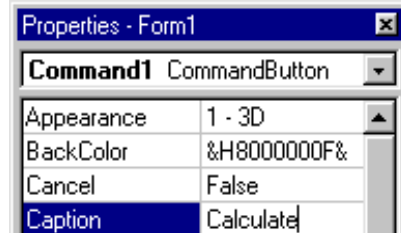
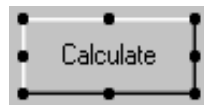
30. Make sure that the textbox is selected. In the Properties window on the right. Find the Name property. Change the name from Text1 to **txtUnits**.



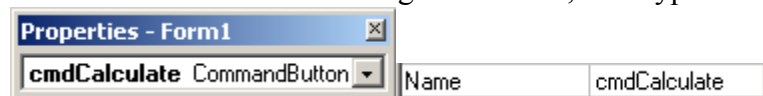
31. Click on the Save icon. 
32. In the Toolbox on the left, **double click** on the CommandButton tool  so that the command button of the default size will be put on the form.




33. While the command button is still selected, go to the Properties window to change the caption. To the right of Caption, double click then type Calculate.



34. While the Calculate button is still selected go to the Properties window. Locate the Name property. Double click on Command1 to the right of Name, then type **cmdCalculate**.



35. Move the Calculate button to the left to make room for 2 more buttons.
36. In the Toolbox on the left, **double click** on the CommandButton tool  so that the command button of the default size will be put on the form.

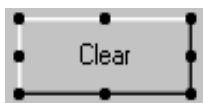


37. While the Command1 button is still selected go to the Properties window. Locate the Name property. Double click on Command1 to the right of Name, then type **cmdClear**.

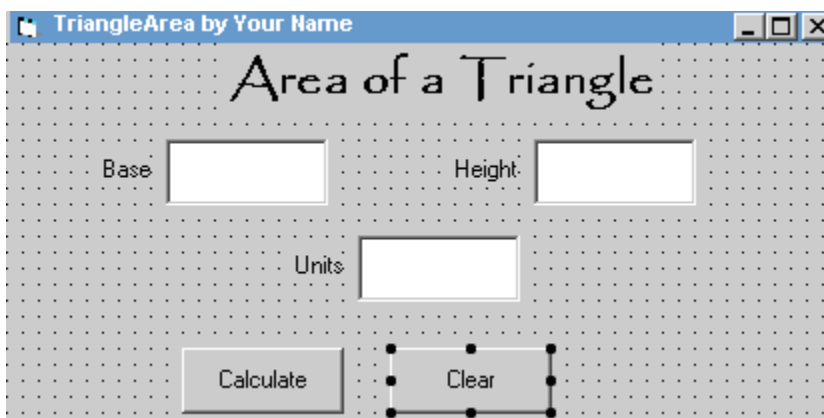



## Form for TriangleArea.frm TriangleArea.vbp

38. While the command button is still selected, go to the **Properties** window to change the caption. To the right of **Caption**, double click then type **Clear**.



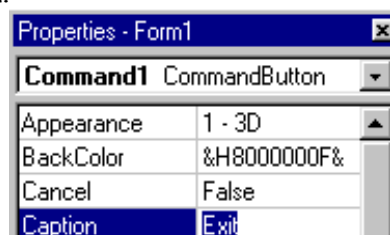
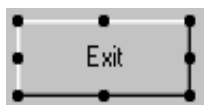
39. Line up the buttons.



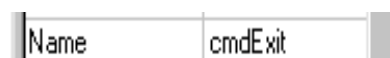
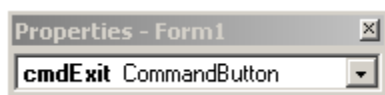
40. In the **Toolbox** on the left, **double click** on the **CommandButton** tool  so that the command button of the default size will be put on the form.



41. While the command button is still selected, go to the **Properties** window to change the caption. To the right of **Caption**, double click then type **Exit**.

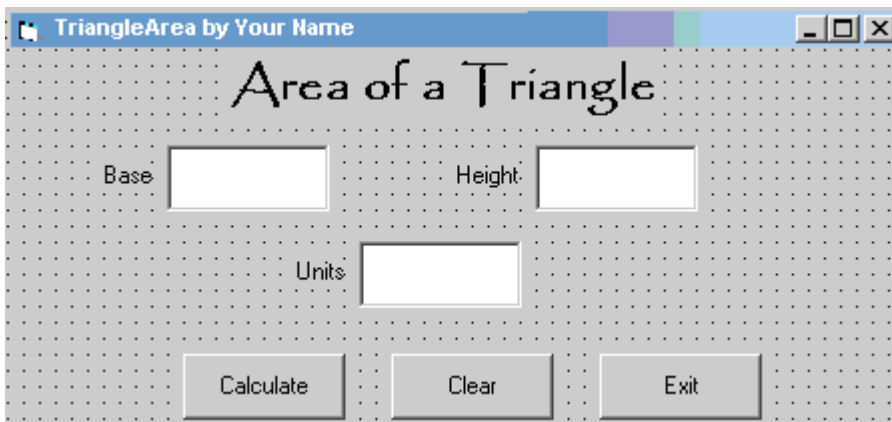


42. While the **Command1** button is still selected go to the **Properties** window. Locate the **Name** property. Double click on **Command1** to the right of **Name**, then type **cmdExit**.

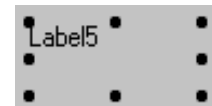


## Form for TriangleArea.frm TriangleArea.vbp

43. Move the Exit button to the right of the Clear button, so your form looks something like this.



44. In the Toolbox on the left, **double click** on the Label tool. Double click on the AutoSize property to make it True.



45. While Label5 is still selected, go to the Properties window to the right. Find Caption. Double click on Label5 to the right of Caption and type **Area of Triangle =** Move the label slightly to the left of the form.



*Now you need a place to put the answer. The answer will be put in a label that will remain empty until the program **code** has calculated the area and told the computer to display the answer in the answer label.*

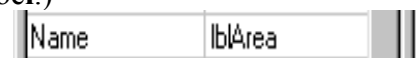
46. In the Toolbox on the left, **double click** on the Label tool.



47. While Label6 is still selected, go to the Properties window to the right. Find Caption. Double click on Label6 to the right of Caption and press the Delete key on the keyboard so that the label is empty. Move the label slightly to the right of the label with the caption Area of Triangle =.



48. While the empty label is still selected, go to the Properties window on the right. Locate the Name property. To the right of Name, double click on Label6 then type **lblArea**. (That is – small L as in little – small B as in boy – small L as in label.)



49. Click on the Save icon.

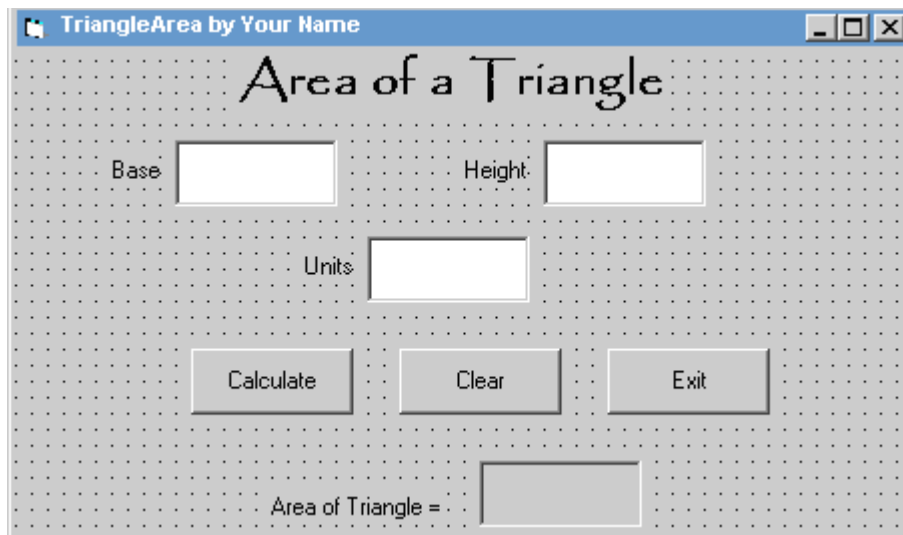
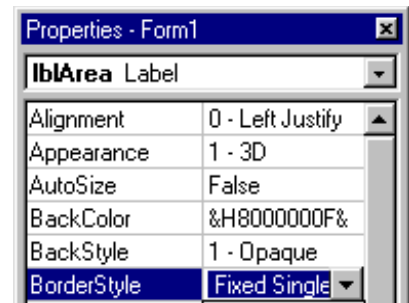




## Form for TriangleArea.frm TriangleArea.vbp

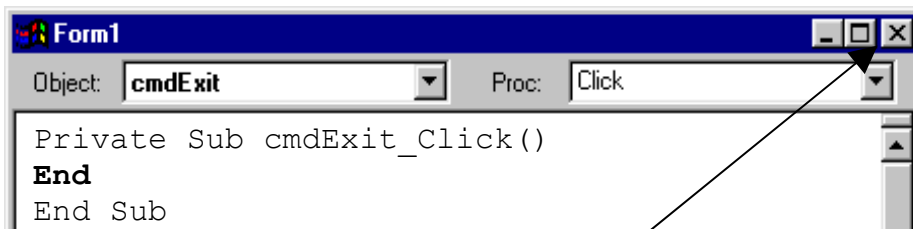
50. Click on the empty Label named **lblArea**, to select it.  
 Scroll up to find the **BorderStyle** property.  
 Click in the right column next to **0 - None**, so a ▼ appears.  
 Click on **1 - Fixed Single**.


*We are only changing the border style of the label that will hold the answer. Do NOT change the border style on any other labels.*



*We do not want the user to enter data into the answer box; therefore, we make it a label instead of a textbox. The user can type data into a textbox but not into a label. We have made the label stand out by giving it a border, which other labels do not have. Its background stays gray to distinguish it from a textbox.*

51. Make adjustments so that your form looks like this one.
52. **Double click** on the **Exit** command button to go to the procedure window that allows us to enter code for programming the **Exit** button.
53. Between the lines of code that are given type **End**. This will cause the program to stop running when the user clicks on the **Exit** command button.



54. Close the code window by clicking on the X. Click on the **Save** icon. 
- We will do more with this later.*